

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---------------------------|------------------|---------|---------------------|
| L1 | 2 | "20030178968" | US-PGPUB; USPAT | OR | ON | 2010/10/26 13:20 |
| L2 | 8 | "6714882" | US-PGPUB; USPAT | OR | ON | 2010/10/26 13:36 |
| L3 | 0 | (forc\$4 near discharg4) and (li\$ion) | US-PGPUB; USPAT | OR | ON | 2010/10/26 14:13 |
| L4 | 1211 | (forc\$4 near discharg\$4) and (li\$ion) | US-PGPUB; USPAT | OR | ON | 2010/10/26 14:13 |
| L5 | 335 | 4 and voltage and temperature | US-PGPUB; USPAT | OR | ON | 2010/10/26 14:13 |
| L6 | 31 | 5 and (battery adj pack) | US-PGPUB; USPAT | OR | ON | 2010/10/26 14:15 |
| L7 | 1249 | (forc\$6 near discharg\$4) and (li\$ion) | US-PGPUB; USPAT | OR | ON | 2010/10/26 15:34 |
| L8 | 37 | 7 and "320".clas. | US-PGPUB; USPAT | OR | ON | 2010/10/26 15:34 |
| L9 | 104 | (forc\$4 near discharg\$4) and (battery adj pack) | US-PGPUB; USPAT | OR | ON | 2010/10/26 15:39 |
| L10 | 311 | "D1.G.16" | US-PGPUB; USPAT | OR | ON | 2010/10/26 16:00 |
| L12 | 202 | "320".clas. and (memory near effect) and discharg\$6 and lithium | US-PGPUB; USPAT | OR | ON | 2010/10/26 16:05 |
| L13 | 0 | "320".clas. and (refresh4 near3 discharg\$6) and lithium | US-PGPUB; USPAT | OR | ON | 2010/10/26 16:30 |
| L15 | 17 | "320".clas. and (refresh\$4 near3 discharg\$6) and lithium | US-PGPUB; USPAT | OR | ON | 2010/10/26 16:31 |
| L16 | 94 | 320/131.ccls. | US-PGPUB; USPAT | OR | ON | 2010/10/26 16:48 |
| L17 | 339 | (discharg\$4 and (display or notification or "LED")) and voltage and temperature).clm. | US-PGPUB | OR | ON | 2010/10/26 16:54 |
| S1 | 2599 | 320/134,136,150,152,154.ccls. or 324/433,435,441.ccls. | US-PGPUB; USPAT | OR | ON | 2008/08/19 11:21 |
| S2 | 244 | S1 and (lithium same battery) and ((measur\$3 or sens\$3 or detect\$) near temperature) and ((measur\$3 or sens\$3 or detect\$) near voltage) | US-PGPUB; USPAT | OR | ON | 2008/08/19 11:22 |
| S3 | 3 | S2 and (forc\$4 near discharge) | US-PGPUB; USPAT | OR | ON | 2008/08/19 11:23 |
| S4 | 14 | ("3599071" "5563496" "5581170" "5619430" "5703466" "5731685" "5760570" "5828202" "5864224" "5990663" "6118255" "6163131" "6184659" "6322921").PN. OR ("6925400").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/19 11:31 |

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| S5 | 12 | ("3599071" "5563496" "5581170" "5619430" "5703466" "5731685" "5828202" "5864224" "6118255" "6184659" "6322921").PN. OR ("6714882").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/19 11:39 |
| S6 | 2 | ("5539318" "5703465").PN. OR ("6008626").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/19 11:42 |
| S7 | 31 | S1 and (forc\$4 near discharge) | US-PGPUB; USPAT | OR | ON | 2008/08/19 11:43 |
| S8 | 2 | jp-2000270494-\$ did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/08/19 11:47 |
| S9 | 2 | jp-09298844-\$ did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/08/19 11:47 |
| S10 | 2 | jp-2002056900-\$ did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/08/19 11:47 |
| S11 | 2 | jp-2000078250-\$ did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/08/19 11:47 |
| S12 | 0 | S2 and memory and "display." | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/08/19 11:50 |
| S13 | 75 | S2 and memory and display | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/08/19 11:50 |
| S14 | 12 | (forc\$4 near discharge) and (lithium same battery) and ((measur\$3 or sens\$3 or detect\$) near temperature) and ((measur\$3 or sens\$3 or detect\$) near voltage) | US-PGPUB; USPAT | OR | ON | 2008/08/19 12:38 |
| S15 | 12 | ("3599071" "5563496" "5581170" "5619430" "5703466" "5731685" "5828202" "5864224" "6118255" "6184659" "6322921").PN. OR ("6714882").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/19 12:39 |
| S16 | 407 | (battery near discharge) and (lithium same battery) and ((measur\$3 or sens\$3 or detect\$) near temperature) and ((measur\$3 or sens\$3 or detect\$) near voltage) | US-PGPUB; USPAT | OR | ON | 2008/08/19 12:41 |
| S17 | 56 | (lithium same battery) and ((battery near discharge) same ((measur\$3 or sens\$3 or detect\$) near temperature)) and ((measur\$3 or sens\$3 or detect\$) near voltage) | US-PGPUB; USPAT | OR | ON | 2008/08/19 12:42 |
| S18 | 24 | S17 and (display or lcd) | US-PGPUB; USPAT | OR | ON | 2008/08/19 12:43 |
| S19 | 32 | S17 not S18 | US-PGPUB; USPAT | OR | ON | 2008/08/19 12:48 |
| S20 | 0 | (forc\$4 near discharge) and "3200". clas. | US-PGPUB; USPAT | OR | ON | 2008/08/19 12:52 |

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| S21 | 69 | (forc\$4 near discharge) and "320".clas. | US-PGPUB; USPAT | OR | ON | 2008/08/19 12:52 |
| S22 | 27 | S21 and voltage and temperature | US-PGPUB; USPAT | OR | ON | 2008/08/19 12:53 |
| S23 | 742 | ("320".clas. or "324".clas.) and (display same (maintenance discharging)) | US-PGPUB; USPAT | OR | ON | 2008/08/19 13:02 |
| S24 | 202 | S23 and (temperature same voltage same discharg\$4) | US-PGPUB; USPAT | OR | ON | 2008/08/19 13:02 |
| S25 | 54 | S24 and lithium | US-PGPUB; USPAT | OR | ON | 2008/08/19 13:02 |
| S26 | 298 | ("320".clas. or "324".clas.) and (lithium same discharge) and (temperature same voltage) and (display or notification of indicator) | US-PGPUB; USPAT | OR | ON | 2008/08/19 13:24 |
| S27 | 182 | S26 and memory | US-PGPUB; USPAT | OR | ON | 2008/08/19 13:26 |
| S28 | 16 | ("5703463" "5825155" "5850136" "5903131" "5963019" "5986865" "5998967" "6020722" "6031302" "6046575" "6051954").PN. OR ("6268713").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/19 14:02 |
| S29 | 72 | ("320".clas. or "324".clas.) and (switch near discharge) and (temperature same voltage) and (display or notification of indicator) | US-PGPUB; USPAT | OR | ON | 2008/08/19 14:10 |
| S30 | 0 | ((switch of forced or self) near discharge) and (overvoltage) and (first adj temperature) and (lithium adj battery) | US-PGPUB; USPAT | OR | ON | 2008/08/19 14:20 |
| S31 | 0 | ((switch of forced or self) near discharge) and (overvoltage) and (first adj temperature) and (lithium) | US-PGPUB; USPAT | OR | ON | 2008/08/19 14:20 |
| S32 | 8 | ((switch of forced or self) near discharge) and (first adj voltage) and (first adj temperature) and (lithium) | US-PGPUB; USPAT | OR | ON | 2008/08/19 14:20 |
| S33 | 2 | 320/134,136,150,152,154.ccls. and (lithium same (fault or abnormal) same (display or lcd)) | US-PGPUB; USPAT | OR | ON | 2008/08/19 16:03 |
| S34 | 36 | 320/134,136,150,152,154.ccls. and ((fault or abnormal) same (display or lcd)) | US-PGPUB; USPAT | OR | ON | 2008/08/19 16:03 |
| S35 | 40 | ((YASUAKI) near2 (MAKINO)).INV. | US-PGPUB; USPAT | OR | ON | 2008/08/19 17:19 |
| S36 | 4993 | lithium and (nickel adj oxide) | US-PGPUB; USPAT | OR | ON | 2008/08/19 17:20 |
| S37 | 2403 | lithium same (nickel adj oxide) | US-PGPUB; USPAT | OR | ON | 2008/08/19 17:20 |
| S38 | 968 | lithium same (nickel adj oxide) same electrode | US-PGPUB; USPAT | OR | ON | 2008/08/19 17:20 |
| S39 | 86 | (lithium near battery) same (nickel adj oxide) same electrode | US-PGPUB; USPAT | OR | ON | 2008/08/19 17:21 |

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| S40 | 3 | S39 and (LCD or display) | US-PGPUB; USPAT | OR | ON | 2008/08/19 17:21 |
| S41 | 49 | memory same (forced adj discharge) | US-PGPUB; USPAT | OR | ON | 2008/08/19 18:08 |
| S42 | 5 | S41 and battery | US-PGPUB; USPAT | OR | ON | 2008/08/19 18:08 |
| S43 | 5 | (forc\$4 adj discharge) near (end\$3 or finish\$3 or complet\$3) same (indicat\$3 or notificat\$3 or display\$3 or LCD) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:11 |
| S44 | 67 | (forc\$4 adj discharge) and (end\$3 or finish\$3 or complet\$3) near (indicat\$3 or notificat\$3 or display\$3 or LCD) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:12 |
| S45 | 333 | "320".clas. and (end\$3 or finish\$3 or complet\$3) near (indicat\$3 or notificat\$3 or display\$3 or LCD) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:14 |
| S46 | 109 | S45 and lithium | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:15 |
| S47 | 32 | S46 and ((forc\$3 or self or switch\$3) near discharge) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:15 |
| S48 | 0 | "320".clas. and ((forc\$3 or self or switch\$3) near discharge) same (display adj message) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:20 |
| S49 | 6 | "320".clas. and ((forc\$3 or self or switch\$3) near discharge) and (display adj message) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:20 |
| S50 | 1 | lithium same ((forc\$3 or self or switch\$3) near discharge) and (display adj message) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:21 |
| S51 | 7 | "320".clas. and (discharge) same (display adj message) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:22 |
| S52 | 7 | "320".clas. and (maintenance or service) same (display adj message) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:25 |
| S53 | 80 | "320".clas. and (display adj message) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:28 |
| S54 | 19 | S53 and lithium | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:30 |
| S55 | 2901 | (battery adj pack) same display | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:45 |
| S56 | 621 | S55 and lithium | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:45 |
| S57 | 215 | S56 and (measur\$3 or detect\$3 or sens\$3) near voltage | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:45 |
| S58 | 110 | S57 and (measur\$3 or detect\$3 or sens\$3) near temperature | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:46 |
| S59 | 26 | S58 and ((forc\$3 or self or switch\$3) near discharge) | US-PGPUB; USPAT | OR | ON | 2008/08/20 10:46 |
| S60 | 163 | (notif\$8 or display\$3) same (forc\$4 near discharge\$3) | US-PGPUB; USPAT | OR | ON | 2009/01/05 15:32 |
| S61 | 10 | S60 and "320".clas. | US-PGPUB; USPAT | OR | ON | 2009/01/05 15:32 |
| S62 | 4 | S60 and "324".clas. | US-PGPUB; USPAT | OR | ON | 2009/01/05 16:20 |

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| S63 | 1 | "10581554" | US-PGPUB; USPAT | OR | ON | 2009/01/16 18:34 |
| S64 | 9 | ((forc\$5 near discharg\$3) same (battery) same (notif\$8 or display or LCD)) | US-PGPUB; USPAT | OR | ON | 2009/01/16 19:29 |
| S65 | 26 | ((forc\$5 near discharg\$3) same (notif \$8 or display or LCD) and (battery)) | US-PGPUB; USPAT | OR | ON | 2009/01/16 19:33 |
| S66 | 754 | ((notif\$8 or display or LCD) near power\$4) near3 (battery) | US-PGPUB; USPAT | OR | ON | 2009/01/16 19:43 |
| S67 | 34 | S66 and "320".clas. | US-PGPUB; USPAT | OR | ON | 2009/01/16 19:43 |
| S68 | 9 | S67 and (battery adj pack) | US-PGPUB; USPAT | OR | ON | 2009/01/16 19:43 |
| S69 | 25 | S67 not S68 | US-PGPUB; USPAT | OR | ON | 2009/01/16 19:45 |
| S70 | 774 | ((notif\$8 or display or LCD)) near3 (battery near powered) | US-PGPUB; USPAT | OR | ON | 2009/01/16 19:56 |
| S71 | 575 | ((notif\$8 or display or LCD)) near3 (battery adj powered) | US-PGPUB; USPAT | OR | ON | 2009/01/16 19:56 |
| S72 | 40 | S71 and (battery adj pack) | US-PGPUB; USPAT | OR | ON | 2009/01/16 19:56 |
| S73 | 10 | "320".clas. and (display same li-ion) | US-PGPUB; USPAT | OR | ON | 2009/01/16 20:01 |
| S74 | 120 | "320".clas. and (display same lithium) | US-PGPUB; USPAT | OR | ON | 2009/01/16 20:02 |
| S75 | 2 | "320".clas. and (display near3 lithium) | US-PGPUB; USPAT | OR | ON | 2009/01/16 20:02 |
| S76 | 5 | "320".clas. and (display near4 lithium) | US-PGPUB; USPAT | OR | ON | 2009/01/16 20:02 |
| S77 | 1189 | "320".clas. and (display near4 battery) | US-PGPUB; USPAT | OR | ON | 2009/01/16 20:02 |
| S78 | 20 | "320".clas. and (powered near3 display near4 battery) | US-PGPUB; USPAT | OR | ON | 2009/01/16 20:02 |
| S79 | 53 | "3660759" "3992228" "4289836" "4702563" "4702564" "4716354" "4910630" "4962347" "5015544" "5032825" "5156931" "5188869" "5206097" "5216371" "5223003" "5248929" "5250905" "5389458" "5458992" "5464709" "5478665" "5491038" "5494496" "5537024" "5541489" "5541490" "5557188" "5565759" "5596278" "5600230" "5606242" "5607790" "5645949" "5654640" "5731686" "5737114" "5747189" "5760588" "5789100" "5825156" "5841285" "5849046" "5856040" "5990664" "5999410").PN. OR ("6483275"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/16 20:04 |
| S80 | 3 | (lithium same (forc\$5 near discharged)) and (notification or display) | US-PGPUB; USPAT | OR | ON | 2009/04/20 16:24 |

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| S81 | 0 | (li-ion same (forc\$5 near discharged)) and (notification or display) | US-PGPUB; USPAT | OR | ON | 2009/04/20 16:25 |
| S82 | 3 | (lithium same (forc\$5 near discharged)) and (notification or display or LCD) | US-PGPUB; USPAT | OR | ON | 2009/04/20 16:25 |
| S83 | 33 | ((battery or cell) same (forc\$5 near discharged)) and (notification or display or LCD) | US-PGPUB; USPAT | OR | ON | 2009/04/20 16:26 |
| S84 | 23 | ((battery or cell) same (forc\$5 near discharged)) and "320".clas. | US-PGPUB; USPAT | OR | ON | 2009/04/20 16:42 |
| S85 | 128 | ((battery or cell) same (forc\$5 near discharged)) | US-PGPUB; USPAT | OR | ON | 2009/04/20 17:10 |
| S86 | 105 | S85 not S84 | US-PGPUB; USPAT | OR | ON | 2009/04/20 17:10 |
| S87 | 33 | S86 and lithium | US-PGPUB; USPAT | OR | ON | 2009/04/20 17:10 |
| S88 | 33 | (battery same (forc\$6 near discharge\$3)) and (battery same (notif\$5 or display)) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:17 |
| S89 | 1630 | (battery same power near (notif\$5 or display)) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:29 |
| S90 | 3 | S89 and (forc\$6 near discharge\$3) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:29 |
| S91 | 665 | (display near3 battery near3 powered) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:38 |
| S92 | 45 | S91 and (battery same (refreshed or discharged)) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:38 |
| S93 | 1298 | (battery adj pack) and (battery near3 display) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:40 |
| S94 | 448 | S93 and (battery same (refreshed or discharged)) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:40 |
| S95 | 15 | S93 and (battery same (refreshed)) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:41 |
| S96 | 187 | (display near battery near (power or charge or electri\$7)) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:43 |
| S97 | 39 | S96 and "320".clas. | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:43 |
| S98 | 947 | battery adj3 power adj3 display | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:44 |
| S99 | 101 | S98 and (battery same (refreshed or discharged)) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:44 |
| S100 | 0 | S98 and (battery same (forc\$7 near3 discharged)) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:44 |
| S101 | 10 | S98 and (battery same (refreshed)) | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:45 |
| S102 | 59 | S98 and "320".clas. | US-PGPUB; USPAT | OR | ON | 2009/04/22 17:45 |
| S103 | 5 | "6456041" | US-PGPUB; USPAT | OR | ON | 2009/04/22 18:03 |

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| S104 | 93 | 320/131.ccls. | US-PGPUB; USPAT | OR | ON | 2010/02/27 16:06 |
| S105 | 7 | ("5826958" "5982146" "6163131" "6239578").PN. OR ("6433511"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/02/27 16:16 |
| S106 | 17 | ("3796940" "4281278" "4302714" "4742289" "4755733").PN. OR ("5355072").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/02/27 16:22 |
| S107 | 49 | "320".clas. and (for\$4 with discharg \$4) and lithium and display | US-PGPUB; USPAT; USOCR | OR | ON | 2010/02/27 16:24 |
| S108 | 736 | "320".clas. and LED same switch | US-PGPUB; USPAT | OR | ON | 2010/02/27 19:27 |
| S109 | 725 | S108 and battery | US-PGPUB; USPAT | OR | ON | 2010/02/27 19:27 |
| S110 | 568 | "320".clas. and (LED same switch same battery) | US-PGPUB; USPAT | OR | ON | 2010/02/27 19:27 |
| S111 | 6 | 320/131.ccls. and (LED same switch same battery) | US-PGPUB; USPAT | OR | ON | 2010/02/27 19:28 |
| S112 | 33 | ((AKIHIRO) near2 (TANIGUCHI)). NV. | US-PGPUB; USPAT | OR | ON | 2010/02/27 19:57 |
| S113 | 34 | ((TOSHIHIKO) near2 (ICHINOSE)). NV. | US-PGPUB; USPAT | OR | ON | 2010/02/27 19:57 |

10/26/2010 5:01:31 PM

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